

ABSTRACT OF THE DISCLOSURE

The present invention relates to a network-storage apparatus for storing the data received through network on a disk in the form of zero copy, and transmitting the streaming data stored on the disk to many users through network in the form of zero copy in high speed, thereby transmitting and receiving the streaming data in high speed through network for transmitting and receiving the streaming data rapidly through Internet. A network-storage apparatus of the present invention includes a peripheral device bus bridge for transferring bus transaction between a host processor and a network-storage apparatus; an internal peripheral device bus separated from a peripheral device bus outside the network-storage apparatus; a disk controller for managing reading and writing data from and to the disc storage; a peripheral memory for storing transmitted data between the disc storage and the network; a peripheral memory controller for storing or outputting the transmitted data between the disc storage and the network; and a TOE for reading data to be transmitted to the network from the peripheral memory, constructing the data in the form of a packet, transmitting the packet to the network, and storing the data received from the network and to be stored on the disk in the peripheral memory.